

Army Space Command

Space Support for the Warfighter

U.S. Army Space and Missile Defense Command

The U.S. Army Space Command (ARSPACE), one of the major subordinate elements of the U.S. Army Space and Missile Defense Command (SMDC), commands and controls the Army Space Forces that are a component of the U.S. Space Command. Army Space Forces provide existing and emerging Space capabilities that enable the National Command Authority, U. S. forces, and our allies to deliver decisive combat power.

- **Operations support the Commander, U. S. Space Command.** ARSPACE ensures that the Army's requirements are met at the joint level, while bringing the commander's views and concerns to the Army staff. ARSPACE supports U.S. SPACECOM in the development of joint Space doctrine, as well as the development of plans, policies and requirements for Space support to Army operations.

- **The 1st Satellite Control (SATCON) Battalion** operates and manages the Defense Satellite Communications System (DSCS) Ground Stations. This system spans the globe to provide super-high frequency communications to all U.S. warfighting forces—anywhere, anytime.

Management, planning, and control of the payloads of the DSCS satellites is the battalion's mission and the largest part of ARSPACE's operations. The battalion's five companies operate DSCS control facilities located around the world. At Schriever Air Force Base in Colorado Springs, the DSCS Certification Facility (DCF) forms the headquarters company for the battalion.

The 1st SATCON Battalion controls the satellite links for tactical and strategic warfighter communications networks. The companies also provide payload control to the satellite as well as technical and troubleshooting assistance required to ensure maximum support to the user. In addition, the DCF provides platform control, monitoring the health and welfare of the payloads for selected satellites in the DSCS constellation.

- **The 1st Space Battalion** supports Army, joint and coalition warfighters around the globe.

- The Army Space Support Company (ARSSC) fields Army Space Support Teams (ARSST) to provide capabilities, expertise and products in support of the warfighter as he plans and executes the full spectrum of today's military missions in both exercises and operations. The battalion fields five teams, each aligned with a corps or the Special Operations community. The teams have supported every contingency operation since OPERATION DESERT STORM. ARSST soldiers are capable both of sustaining equipment operations and of training soldiers to be operators.

- The Theater Missile Warning Company fields and supports the operation of Joint Tactical Ground Stations that provide early warning of missile launches to our deployed forces wherever the threat of ballistic missiles exists. The JTACS systems provide direct down-linked, in-theater, early warning of missile launches.

The five existing JTACS systems are operated by joint Army/Navy crews and are a part of the CINCSpace Tactical Event System (TES).

The design, development, and fielding of the JTACS systems is a classic example of the Army's capability to fast track vital equipment procurement to support soldiers with the best equipment for mission accomplishment.

- **The 193rd Space Battalion**, Colorado Army National Guard, stood up in 2001. The battalion has fully trained and certified Army Space Support Teams and Space Operations officers. They provide Space-based support to designated ground forces commanders in support of Army operations. Additionally, they provide needed assets to increase Space support to the Army and to unified commands around the globe.

- **ARSPACE is a participant in Missile Defense.** Working through U.S. SPACECOM, the Missile Defense Agency Ground-Based Midcourse Missile Defense Joint Project Office, and the Army National Guard, ARSPACE is the operator representative developing a system of homeland defense against a proliferating missile threat. As the eventual user and operator of the ground-based portion of the missile defense system, ARSPACE is playing a key role in planning and designing the requirements, concept of operations, and support required for such a system.

- **The Army Astronaut Detachment** participates in the exploration and development of Space at the NASA Johnson Space Center in Houston, Texas. The detachment supports NASA's Space shuttle and International Space Station programs. The detachment includes seven mission-specialist astronauts as well as three other Space Operations officers and additional detachment personnel. These men and women provide NASA with experienced Space shuttle and Space station crewmembers and provide engineering expertise for human interface with Space systems. They also have played key roles in the construction and operation of the International Space Station. When not assigned to a specific Space mission, astronauts work in ground jobs supporting other missions and maintain their proficiency in flying and operating Space systems.

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